RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _09/765,061F_

Source: _1FW16_

Date Processed by STIC: _7/12/05_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 07/12/2005
PATENT APPLICATION: US/09/765,061F   TIME: 10:46:14

Input Set : A:\USSN09765061.txt
Output Set: N:\CRF4\07122005\I765061F.raw

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 3 <110> APPLICANT: Board of Regents of the University of Texas System
 5 <120> TITLE OF INVENTION: MUTATIONS IN A NOVEL PHOTORECEPTOR-PINEAL GENE ON 17P CAUSE
LEBER
 6       CONGENITAL AMAUROSIS (LCA4)
 8 <130> FILE REFERENCE: 96606/16UTL
10 <140> CURRENT APPLICATION NUMBER: 09/765,061F
11 <141> CURRENT FILING DATE: 2001-01-17
13 <150> PRIOR APPLICATION NUMBER: 60/331362
14 <151> PRIOR FILING DATE: 2001-01-14
16 <160> NUMBER OF SEQ ID NOS: 83
18 <170> SOFTWARE: PatentIn version 3.3
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21 <211> LENGTH: 6689
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
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27 <221> NAME/KEY: gene
28 <222> LOCATION: (1)..(6689)
29 <223> OTHER INFORMATION: The AIPL1 gene produces the aryl-hydrocarbon receptor
interacting
30       protein-like 1
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33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (1897)..(1906)
35 <223> OTHER INFORMATION: n is a, c, g, or t
37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: (3946)..(3946)
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59 cctccggagc agacagggtc ccccacagca gctttcaaca ttccaggtgt gccccaaggc     540
61 actgtaaaca gctttcagct gtgccaaaaa aacagccagg cagccccagc gctgggcctc     600
63 cggggagctc ccagcgttta cccattcagg gggcatttt ggtactttgc agattcaact     660
65 ttagcatggg ctgaggggaa gggcttttgg gaattttctg gggccctaaa tgttgagtga     720
67 gaagaaaggg agtccgagga gtcttggtat ttgtccccaa atgtctgtta ggcttccctg     780
69 gactgaaggg tgcgtctgtg gctacagaat cgggctttg gccaggcgag gcggctcccg     840
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268 <210> SEQ ID NO: 2
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RAW SEQUENCE LISTING   DATE: 07/12/2005
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Input Set : A:\USSN09765061.txt
Output Set: N:\CRF4\07122005\I765061F.raw

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271 <213> ORGANISM: Papio anubis
274 <220> FEATURE:
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276 <222> LOCATION: (1)..(1119)
277 <223> OTHER INFORMATION: The AIPL1 gene produces the aryl-hydrocarbon receptor
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278       protein-like 1
280 <400> SEQUENCE: 2
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285 aaatgtgatg aggagcgcac ggtcatcgac gacagccggc aggtggacca gcccatgcac  180
287 atcatcatcg ggaacatgtt caagctcgag gtctgggaga tcctgctcac ctccatgagg  240
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299 ctccacggag agggaaatcg gctcttcaag ctgggccgct acgaggaggc ctcttccaag  600
301 taccaggagg ccatcatctg cctaaggaac ctgcagacca aggagaagcc atgggaggtg  660
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305 ctgaagaagg aggagtatta cgaggtgctg gagcacacca gtgacattct ccggcaccac  780
307 ccaggcatcg tgaaggccta ctatgtgcgt gcccgggctc acgcagaggt gtggaatgag  840
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311 gtgcgcaggg agctgaggct gctggagaac cgcatggcag agaagcagga ggaggagcgg  960
313 ctgcgctgcc ggaacatgct gagccaggga gccacgcagc ctcccacaga gccaccggca  1020
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317 gagctccccc tgtccccagg gcactcactg cagcactga                         1119
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321 <211> LENGTH: 1155
322 <212> TYPE: DNA
323 <213> ORGANISM: Pan troglodytes
326 <220> FEATURE:
327 <221> NAME/KEY: gene
328 <222> LOCATION: (1)..(1155)
329 <223> OTHER INFORMATION: The AIPL1 gene produces the aryl-hydrocarbon receptor
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330       protein-like 1
332 <400> SEQUENCE: 3
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347 cagaaggagc ctcagcctct ggtctttgtg atcgagctgc tgcaggttga tgccccgagt  480
349 gattaccaga gggagacctg gaacctgagc aatcatgaga agatgaaggc ggtgcccgtc  540
351 ctccacggrg agggaaatcg gctcttcaag ctgggacgct acgaggaggc ctcttccaag  600
353 taccaggagg ccatcatctg cctaaggaac ctgcagacca aggagaagcc gtgggaggtg  660
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359 ccaggcatcg tgaaggccta ctacgtgcgt gcccgggctc acgcagaggt gtggaatgag      840
361 gccgaggcca aggcagacct ccggaaagtg ctggagctgg agccgtccat gcagaaggcg      900
363 gtgcgcaggg agctgaggct gctggagaac cgcatggcgg agaagcagga ggaggagcgg      960
365 ctgcgctgcc ggaacatgct gagccagggt gccacgcagc ctccggcaga gccacccaca     1020
367 gagccacccg cacagtcatc cacagagcca cctgcagagc caccccagc accatctgca      1080
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375 <211> LENGTH: 1060
376 <212> TYPE: DNA
377 <213> ORGANISM: Bos taurus
380 <220> FEATURE:
381 <221> NAME/KEY: gene
382 <222> LOCATION: (1)..(1060)
383 <223> OTHER INFORMATION: The AIPL1 gene produces the aryl-hydrocarbon receptor
interacting
384       protein-like 1
386 <400> SEQUENCE: 4
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413 ccaggcatcg tgaaggccta ctatgtgagg gcccgggctc acgccgaggt gtggaatgag     840
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417 gtgcagaggg agctgaggct gctggagaac cggctggagg agaaacgcga ggaggagcga     960
419 ctgcgctgcc ggaacatgct gggctagtgc gcaggcgcca agcctcctgc ctccgccccc    1020
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424 <210> SEQ ID NO: 5
425 <211> LENGTH: 925
426 <212> TYPE: DNA
427 <213> ORGANISM: Canis familiaris
430 <220> FEATURE:
431 <221> NAME/KEY: gene
432 <222> LOCATION: (1)..(925)
433 <223> OTHER INFORMATION: The AIPL1 gene produces the aryl-hydrocarbon receptor
interacting
434       protein-like 1
436 <400> SEQUENCE: 5
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/12/2005
PATENT APPLICATION: **US/09/765,061F**   TIME: 10:46:15

Input Set : **A:\USSN09765061.txt**
Output Set: **N:\CRF4\07122005\I765061F.raw**

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1897,1898,1899,1900,1901,1902,1903,1904,1905,1906,3946
Seq#:52; Xaa Pos. 1
Seq#:72; Xaa Pos. 322

VERIFICATION SUMMARY   DATE: 07/12/2005
PATENT APPLICATION: **US/09/765,061F**   TIME: 10:46:15

Input Set : **A:\USSN09765061.txt**
Output Set: **N:\CRF4\07122005\I765061F.raw**

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L:1128 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:42
L:1143 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:43
L:1158 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:44
L:1182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46
L:1197 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:1212 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:1227 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:1285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:35
L:1422 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60
L:1437 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:61
L:1452 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:62
L:1467 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:63
L:1482 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64
L:1497 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:65
L:1512 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66
L:1527 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:67
L:1542 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:68
L:1557 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:69
L:1572 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70
L:1587 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:71
L:1688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:320
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